painted with a good white lead paint.

The Small Things Count. Here are some of the farm leaks: Rickety gates and slip-shod bars, tum-

exchanging or saving to read over, wagons and plows left unsheltered and turkeys allowed to roost on fences or

Rainy Days Made Useful.

of profit to him. There are broken pieces of harness or machinery that need attention. The harness needs oiling, some sick stock may need doctoring. The rainy day is an opportuni-

in trees.-C. E. Davis.

Weekly Bureau of Information for All Who Till the Soil or Are Interested in Making Homes

BRIEF NOTES THOUGHT OUT BY THE WAYSIDE

When pigs are kept eight months, when fully as good weights could have been obtained at six months, the profit is anything but what it should

Good mutton, well fed and then arefully handled by the butcher, makes one of the best meats that is now found in our markets.

Save a good supply of leaves in some ut-of-the-way place and let them deay for your garden.

Millions of pounds of wool are in ported annually to supply the home demand. Why not grow this wool on your own soll and keep the money-in the family?

Horses will clean up the alfalfa better than other stock, because they eat the big stems.

Apples intended for storage should be handled with the utmost care rom the time of picking until they are in storage.

Every time a pitchfork is left lying down or stood tines up, there is a risk of serious injury. No one need hesitate to make his own vinegar because of lack of experience. It is simply a matter of allowing nature to do the work.

\$25 a ton and potatoes at \$1.50 a heir being poor. In fact, they can fiford automobiles and trips to Eu-rope and do these things without dark tobacco to be sold to raising dark tobacco to be se foreign monopolies at their

Keeping salt where the dairy cowe an reach it at all times maintains their good health by promoting thorough digestion and assimilation and awing a cooling effect on the whole system of the animals, at the same time making it easier to bring butter of a superior flavor and color at churning time.

Hang seed corn in a dry, well-venllated place, where it will not be-ome damp or heated.

Leaf mold is of much value when potting plants, and in flower beds. The demand for good saddle horses

A profitable orchard must be giv

n unrestricted use of all the land.

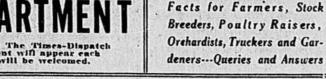
THE ALFALFA WEEVIL

this destroyer before he arrives. Kalmbach, who has given study

plant when green leaves remain, or a shardance at the time of the first alfalfa harvest. The insects make of the second that the shard is the state of the second that the shard is the same of the second to serious damage by relateding the growth of the second contains the same of the plant. The saturita appear to found, clustering by inarted a upon detailing the same of the plant. The saturita appear to found, clustering by inarted a upon details appear to found, clustering by inarted a upon details appear to found, clustering by inarted upon certify cut fields or near the bases of newly-constructed stacks. After a same of the plant of the same of the plant of



AGRICULTURAL DEPARTMEN







Say's phoebe, Traill's flycatcher, long-crested jay, Woodhouse's jay, bobolink, cowbird, yellow-headed black-bird, thick-bellied redwing, Western meadowlark, Bullock's oriole. Brewstand best for this purpose." Say's phoebe, Traill's flycatcher, long-crested jay, Woodhouse's jay, bobolink, cowbird, yellow-headed black-bird, thick-bellied redwing, Western meadowlark, Bullock's oriole, Brewer's blackbird, house finch, pine siskin, Western vesper sparrow, soramah sparrow, Western' lark sparrow, white-crowned sparrow, Brewer's sparrow, chipping sparrow, desert song sparrow, Lincoln's sparrow, spurred towhee, green-tailed towhee, black-headed grosbeak, lazuli bunting, cliff headed grosbeak, lazuli bunting, cliff swallow, bank swallow, fough-wing-ed swallow, yellow warbler, long-tailed chat, Macgillivray's warbler, sage thrasher, long-tniled chickadee, Western robin, mountain bluebird, English sparrow. Of these only one variety will be further discussed here variety will be further discussed here

the English sparrow.

From its enormous abundance throughout much of the weavil-infested region of Utah, as well as from the fact that, individually, it is a most effective enemy of the alfalfa weavil, the English or house sparrow with the naced very high in the scale. weevil, the English or house sparrow must be placed very high in the scale of weevil enemies. There is no bird in which the people of the West are more interested than this much-criticized foreigner, and, as its efficiency as an insect destroyer has frequently been questioned, special pains have been taken to give this bird as thorough consideration as possible in connection with the alfalfa weevil.

Though by no means uncommon in

Though by no means uncommon in the city streets, the never-ceasing chatter of hundreds of these birds heard along country roads and about farm yards readily makes an observer realize that in many rural sections' this species is by far the most abun-dant A factor partly responsible for this condition is the presence on al-most every farm of one or more straw-thatched sheds for housing live stock, and these make very excellent bird-houses.

During the work of investigating buring the work of investigating these birds—for the month of May—of 530 stomachs of sparrows examined, there was one which contained over 100 larvae; seven which contained ninety-nine; twenty-nine with from cars been doing enormous damage to over 100 larvae; seven which contained preventive methods are more successful. If a thick coating of some at the very Far, West, and may be not the very Far, West, and may be outh at any time. A stitch in time aves nine, says the old proverb. We night as well get wise as to how to see this destroys before he arrives to the first twenty-nine which contained preventive methods are more successful. If a thick coating of some harmless substance is applied to the trunks and larger limbs of young trees, it will act as a repellant against the female desiring to deposit her east this destroyer before he arrives. from fifty to seventy-five, and forty-nine had eaten from twenty-five to forty-nine and good twenty-five to washed trees acts as a good repellant. If the appearance of white

So washes are above the first certification of a high the first certification of a high the first certification of the first cert

APPLE TREE BORER

The filat -- head borer is a very destructive pest. It is a conservative es-timate that 50 per cent of healthy and properly planted trees which die soon after setting out are killed by the larvae of these small, active, copper-colored beetles. Young trees of al-most every variety are attacked, es-pecially if set out near woodlands containing oak, which seems to be



Injury Caused by Flat-Headed Apple

rance to the tree, no external sprays or applications are satisfactory, and the only course of treatment is personal attention to each infested tree.

Preventive methods are more successful. If a thick coating of some large substance is applied to the large substance is applied

has built a toolhouse for rainy-day work. Here he mends harness, makes new parts for machinery, manufactures new double and single trees to replace tious food from early spring until late



becople head over ears in debt, and becople head over ears in debt, and becople head over ears in debt, and becope head over ears in debt, and becope head over ears in debt, and becope head over ears in debt, and by the least to the farmers of the matter is declared in his system does not prove fatal. They simply will not help each other out, and as a result, the entire settlement is retrograding. The loss to the farmers of the matter is described at \$45,000,000 annually. It is also estimated the \$15,000,000 of this loss is due to blood rings. Every dollar of this loss from blood rings is directly preventable on the farm. Now

the entire settlement is retrograding.

Naking Good Silage.

Forage plants, such as sorgham and corn, make a very luxuriant growth in the Southern latitudes and large yields of silage can be produced per acre. This silage is an excellent feed for wintering the breeding herd, or for finishing the animals for the market. The use of silage in a fattening ration almost invariably increases the size of the daily gains, cheapens the gains, lengthens the period during which cattle can be fed cottonseed meal connomically and without danger, and results in better fluish, fatter cattle, and greater profits per head. The leguminous hays as alfalfa, cowpeas, lespedeza, red clover and vetch, and the corn stover and oat straw are good rough feeds to use in conjunction with silage.

Some of the consideration to be observed in pruning mature trees are as follows:

Keep the trees open to let in sun-light.

served in pruning mature trees are as follows:

Keep the trees open to let in sunlight.

Take out branches that crowd or cross each other and interfere with each other's growth.

Keep the tree within bounds so that spraying and harvesting may be economically done.

Care should be taken when removing limbs that they are removed close to the branch from which they spring, leaving no stub. If large limbs are removed the raw surface should be gainted with a good white lead paint.

Begin marketing the cockerels as soon as they weigh one and one-half pounds or attain a marketable size.

fowls. This enables them to get of lice. The free use of kerosene on the roosts and in the cracks will exterminate mites. If the above suggestions are followed, a high quality of eggs is assured.

Water Giass and Its Uses.

The chemical name for water glass is sodium silicate or silicate of soda. It may be obtained in a granular or powdered form, and as it is somewhat difficult to get into solution, I would advise the liquid form, which may be obtained for about 50 cents a gallon. This is a strong solution—40-42 degrees, Be—about the consistency of molasses.

grees Be—about the consistency of molasses. The following formula may be used

for preserving eggs: To ten quarts of water, which has been boiled and cooled, add one pint of water glass and stir thoroughly.

Place the solution in a jar or tub and add the fresh eggs in sufficient quantity to have at least two inches of the solution above the eggs. This quantity should be sufficient for about

five dozen eggs.

Water glass may be bought from any of the large drug firms.

fact, his workshop often consumes more of his time than the rainy days give him.

Pasturing Clover.

Clover is an excellent pasture crop for all classes of stock, as it furnishes a luxuriant growth of a highly-nutritieus food from early spring until late tieus food from early spring until late in semidark nests.

as this will curtail the fall feed. The after-crop that grows after taking off the hay crop makes excellent fall pasture. The grave danger from clover pasture is bloat. Where stock are as always willing to pay a premium turned on to it gradually until they are turned on to get a line of private customers in any town of 5,000 people or over for all the eggs one can produce, and these customers are always willing to pay a premium over current market prices for nice,

The Poultry Section

H. M. Lamon, an expert poultry

*Keep the nests and houses crean. Whitewash is very effective against vermin. Provide a dust bath for the Rickety gates and slip-shod bars, tumbledown fences, no shed for cows on a rainy day, and no shelter in the field on a hot one, ashes thrown in a pilo to leach, cabbage leaves left to rot in the patch when cows are near, hog manure left to wash away for years, old boards and big apple tree timbs hauled away as waste instead of putting them on the wood pile for fuel, dish water and soap suds thrown aside instead of on the garden, using good farm papers for waste instead of exchanging or saving to read over.

Fresh Eggs Pay.

Now, with parcel post and other convenient shipping facilities, it is the easiest thing in the world to get a line of private customers in any town of 5,000 people or over for all the eggs one can produce, and these customers are always willing to have

and March is a good indication of their Keeping cockerels a few weeks for pecial feeding will add materially to the selling price.

Now is the time to purchase your

Now is the time to purchase your new breeding stock while the surplus poultry is being sold.

If you find any soft-shelled eggs in the nests of the laying heas, you can be sure that the supply of mineral matter is insufficient.

Deprived of eggs, the world would lose its most valuable all-round food—

a food unsurpassed, unequalled in variety of tempting satisfactory ways in which eggs can be prepared and



ROUP REMEBY (Tablets or Powder) Guaranteed to cure Roup and Colds and to prevent their spread. Used in time, it is a sure protection to your entire flock. \$1.00, 50c. and \$5c. Use Prais Poultry Diainfectant freely in poultry houses. KAIs lice mites and all other insects which sitsch poultry. \$1.00 a gallon, 60c. half gallon and 35c. a quart.

Sold by First Class Dealers in Richmond and Vicinity. 6165.

RAILROADS.

SEABOARD AIR LINE BAILWAY. The Progressive Railway of the South, Southbound trains scheduled to leave Rich and daily 9:00 A. M., local to Norlina; 1: M., sleepers and coaches. mond dally: 2:00 A. M., local to Norlina; 1:20 P. M., sleepers and coaches, Atlanta, Birmingham, Jacksonville; 10:45 P. M., sleeper to Hamlet and coaches to Atlanta and Birmingham; 12:45 A. M., sleepers, Atlanta, Birmingham, Memphis, Jacksonville, Tampa, and coaches Jacksonville, Tampa, and coaches Jacksonville, Northbound trains scheduled to arrive in Richmond dally; 5:55 A. M., 2:00 A. M., 6:05 P. M., 5:45 P. M., Local.

Richmond & Petersburg Electric Ty

8 A. M. 8 P. M. 97130 A. M. 6:35 P. M. 98 A. M. 98 A. 97135 A. M. 6:35 P. M. 11 A. M. 7 P. M. 9135 A. M. 97135 P. M. 11 P. M. 98 P. M. 11 12 A. M. 98 P. M. 11 12 A. M. 98 P. M. 11 P. M. 10 P. M. 12:35 P. M. 91040 P. M. 12 P. M. Peterson. 2135 P. M. 21140 P. M. 2135 P. M. 2140 P. M. 214

Richmond & Chesapeake Bay Railway Company SCHEDULE EFFECTIVE APRIL 14

1914,
Superaeding Schedule of May 30, 1912.
Trains leave Richmond B*5:50 A. M.,
*7 A. M., B8 A. M., 9 A. M., *210 A. M.,
11 A. M., 1 P. M., 2 P. M., 3 P. M., B4
P. M., 5:20 P. M., 10 P. M., 7:10 P. M.,
B8 P. M., 89 P. M., 10 P. M., 11:45 P. M.,
Trains leave Ashland *5:50 A. M., 18*7
A. M., F A. M., B9 A. M., 10 A. M., **11
A. M., *12 noon, **1 P. M., 2 P. M., 2 P.
M., 4 P. M., B5 D P. M., 6:20 P. M., 7:10
P. M., 8 P. M., B9 P. M., 5:10 P. M., 11
P. M.

Norfolk & Western Railway ONLY ALL RAIL LINE TO NORFOLK.
Schedule in Effect May 10, 1914 one can produce, and these customers are always willing to pay a premium over current market prices for nice, fresh eggs.

Chicken-House Notes.

Build your birdhouses to suit the birds rather than to please your own tastes.

What pullets do between September

ORPOLK: *2.00 A. M., *2:00 P. M., *4:10 F. M., *4:10 F. M., *2:00 P. M

RAILROADS.

Richmond, Fredericksb'g & Potomac R. R. TO AND FROM WASH. YSTON AND BEYOND. Leave Richmon 1 | Arrive Richmond

ACCOMMODATION TRAINS-WEEKDAYS. Leave Byrd St. Sta. 4.00 P. M. for Fredericksburg Leave Elba Sta. 7.30 A. M., 6.30 P. M. for Aubland Arrive Byrd St. Sta. 5.25 A.M., from Fredericksburg Arrive Elba Sta. 6.30 A.M., 5.42 P. M. from Asbland

*Daily. †Weekdayn, ?Sundays only. All trains to or from Byrd Street Station op at Elbs. Time of arrivals and departures rearanteed. Read the signs.

Chesapeake & Ohio Kailway 1:15 A-Local-Dally-Newport News.
7:40 A.-Local-Dally-Ch'ville. Ex. Sup.
Thurmond.
19:00 A.-Express-Dally-Norfolk, Old Point.
19:10 A.-Local-Dally-L'chb'g, Lex. C. Forge
12:25 Noon - Express - Dally - Norfolk, Old
Point.

12:23 Noon - Express - Dally - Norfolk, Old Point, 14:09 P. - Express - Dally - Norfolk, Old Point, 15:09 P. - Local - Dally - N. News, Old Point, 15:16 P. - Local - Ex. Sun., Gordonsville, 15:16 P. - Local - Ex. Sun., Lyncho g. C. Forge 2:10 P. - Express - Dally - Cin., L. ville, 15:16 P. - Limited - Daily - Cin., L. ville, 15:10 P. - Express - Dally - Cin., L. volle, 15:10 P. - Express - Dally - Cin., Louisville, 15:10 P. - Express - Dally - Cin., Louisville, 15:10 P. - Express - Dally - Cin., Louisville, 15:10 P. - Express - Dally - Cin., Louisville, 15:10 P. - Express - Dally - Cin., Louisville, 15:10 P. - Express - Dally - Cin., Louisville, 15:10 P. M., 1

Daily. "Daily excer! Sunday.

Richmond & Rappahannock River Railway Company

Dally Except
Sunday,
Lv. Richmond, 0:30 A.M. 11:30 A.M. 4:00 P.M.
Ar. Parnunkey, 7:25 A.M. 12:25 P.M. 4:55 P.M.
Lv. Parnunkey, 1:20 A.M. 12:25 P.M. 5:09 P.M.
Ar. Richmond, 8:25 A.M. 1:25 P.M. 5:55 P.M.

SOUTHERN RAILWAY PREMIER CARRIER OF THE SOUTH.
Trains Leave Richmond-Main St. Station.
N. B.—Following schedule figures published as information and not guaranteed. For the South-Daily: 6 A. M.—Local 10:30 A. M.—Express. 6 P. M.—Express, with Electric-Lighted Sleeping Cars for Atlanta and Birmingham, 11:39 P. M.—Express. Week Days: 8:00 P. M.—Local.
York River Line—5:10 P. M.—Steamer train.
Daily, Local, connecting for Battimore, daily except Sunday. (Parlor car). 7:35 A. M.—Daily-Local.

Daily-Local.
Trains Arrive Richmond-From the South:
195 A. M. and 8:00 A. M., 2:33 P. M., 8:30 P.
M., daily, 8:40 A. M., except Sunday, From
West Point; 3:10 A. M. and 6:15 P. M. daily,
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RICHMOND TRANSFER COMPANY,

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Night line steamer's stop at Claremont on signal, and are met by public conveyance. VIRGINIA NAVIGATION CO.—James River by daylight for Norfolk, 'Md Point, Newport News and all James River handings, Monday, Wednesday and Friday at 6:33 A. M. Freight received for all James River poin."

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Commercial Link The Cruise \ **Americas** Round-South-America Key to Trade Of Latin-American Countries Secretary of Commerce Redfield says: ANTOROGASTA "It is time to attend to business" The South American situation in a nutshell, the immediate need of action by manufacturers, bankers, merchants of the United States is made plain in a cable dispatch from the Minister of Foreign Relations of Argentina to Ambassador Naon, at Washington,

"American manufacturers can occupy the place left vacant by European industry in all the branches that have been served by it. The present moment offers to American manufacturers very appreciable advantages for occupying positions, profiting by the present European inability. In order to get these advantages they must take the initiative thomselves." Book now for the LINK THE AMERICAS COMMERCIAL, CRUISE, organized by the Travel Department, Fidelity Trust Co. of Baltimore, for promoting trade with South

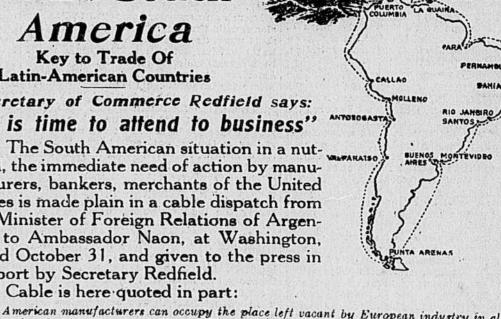
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dated October 31, and given to the press in a report by Secretary Redfield.